

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

To:

TOKKYO GYOMUHOJIN MEISEI INTERNATIONAL
PATENT FIRM
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JAPON

Date of mailing (*day/month/year*)
02 March 2006 (02.03.2006)

Applicant's or agent's file reference
PF101750

IMPORTANT NOTIFICATION

International application No.
PCT/JP2004/004100

International filing date (*day/month/year*)
24 March 2004 (24.03.2004)

Applicant

BUFFALO INC. et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44*bis*)

Applicant's or agent's file reference PF101750	FOR FURTHER ACTION		See item 4 below
International application No. PCT/JP2004/004100	International filing date (<i>day/month/year</i>) 24 March 2004 (24.03.2004)	Priority date (<i>day/month/year</i>) 25 March 2003 (25.03.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant BUFFALO INC.			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 *bis*.1(a).
2. This REPORT consists of a total of 5 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.
3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/> Box No. I	Basis of the report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input type="checkbox"/> Box No. VIII	Certain observations on the international application
4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44*bis*.3(c) and 93*bis*.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44*bis* .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 740 14 35	Date of issuance of this report 22 February 2006 (22.02.2006) Authorized officer <div style="text-align: center; font-weight: bold;">Yoshiko Kuwahara</div> Telephone No. +41 22 338 90 90
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PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

Translation

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing
(day/month/year)

Applicant's or agent's file reference

PF10I750

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/JP2004/004100

International filing date (day/month/year)

24.03.2004

Priority date (day/month/year)

25.03.2003

International Patent Classification (IPC) or both national classification and IPC

Applicant

BUFFALO INC.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP

Authorized officer

Facsimile No.

Telephone No.

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/JP2004/004100

Box No. I

Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/JP2004/004100

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1 - 6	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1 - 6	NO
Industrial applicability (IA)	Claims	1 - 6	YES
	Claims		NO

2. Citations and explanations:

Document 1: JP, 2002-124889, A (Mitsubishi Electric Corp.), 26 April, 2002, Paragraphs 0002-0005; Fig. 4
 Document 2: JP, 2002-290258, A (Hitachi Kokusai Electric Inc.), 04 October, 2002, Paragraphs 0003-0006; Figs 4-6
 Document 3: JP, 2001-24576, A (Sumitomo Electric Industries, Ltd.), 26 January, 2001, All pages; all drawings & WO, 2001/005065, A1 & EP, 1119115, A1 & US, 63970767, B1
 Document 4: JP, 11-514513, A (Telefonaktiebolaget LM Ericsson), 07 December, 1999, All pages; all drawings & WO, 1997/013386, A2 & EP, 853862, A2 & US, 5903834
 Document 5: JP, 2002-354534, A (Yugen Kaisha RCS), 06 December, 2002, page 6; Figs. 2, 3
 Document 6: JP, 11-284998, A (Hitachi Denshi, Ltd.), 15 October, 1999, All pages; all drawings

—Claims 1 and 6—

Both documents 1 and 2 describe an access point wherein antenna means and signal conversion means are stored in an antenna case, and information processing means is stored in a main body case separate from the antenna case, and the antenna case and main body case are connected by a fixed line cable for transmitting a signal between signal conversion means and information processing means.

Further, documents 3-6 cited in the ISR all describe providing signal conversion means for converting between radio wave signals and digital data signals, and connecting the antenna body with the main body case by a fixed line cable for transmitting a digital signal.

Therefore, the inventions of claims 1 and 6 do not appear to involve and inventive step based on documents 1-6.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of Box V:

--Claim 2--

Documents 3-6 describe signal conversion means having frequency conversion means for converting between radio wave frequency signals and internal frequency signals with a frequency lower than the relevant signal, modulation and demodulation means for performing modulation or demodulation between an internal frequency signal and a baseband signal, and baseband means for converting between a baseband signal and digital signal.

Therefore, the invention of claim 2 does not appear to involve an inventive step based on claim 6.

--Claim 3--

Making a digital signal transfer into a serial transfer or parallel transfer is a common means in the relevant technical field.

Therefore, the invention of claim 3 does not appear to involve in an inventive step based on documents 1-6.

--Claim 4--

Documents 1 and 2 describe a fixed line cable that transfers a control signal or supplies electrical power to antenna means or signal conversion means in addition to transmission of an analog signal.

Therefore, the invention of claim 4 does not appear to involve an inventive step based on documents 1-6.

--Claim 5--

Using coaxial cable for the fixed line cable is a matter that could be appropriately selected as required by a person skilled in the art, as can be seen in documents 1-6.

Therefore, the invention of claim 5 does not appear to involve an inventive step based on documents 1-6.